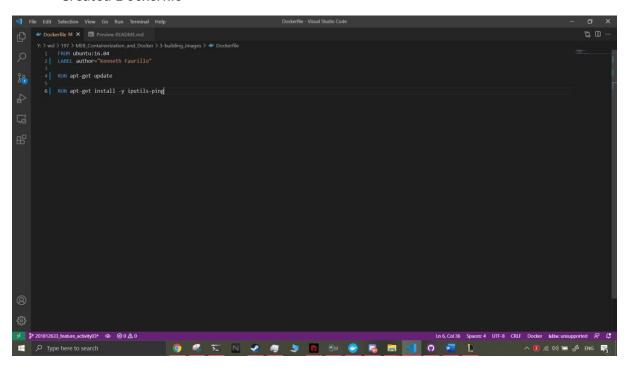
Kenneth Faurillo 201812633

ME 8: Containerization and Docker

Activity 3

Created Dockerfile



Building the image

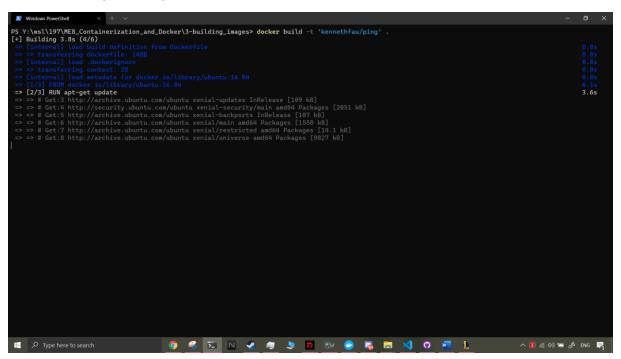


Image building finished

Optimizing Dockerfile

```
Y: > wsl > 197 > ME8_Containerization_and_Docker > 3-building_images > 	孝 Dockerfile
        FROM ubuntu:16.04
   2 LABEL author="Kenneth Faurillo"
        RUN apt-get update \
            && apt-get install -y iputils-ping \
            && apt-get clean \
            && cd /var/lib/apt/lists && rm -fr *Release* *Sources* *Packages* \
            && truncate -s 0 /var/log/*log
   8
PS Y:\wsl\197\ME8_Containerization_and_Docker\3-building_images> docker images
REPOSITORY
                  TAG IMAGE ID CREATED
                                                            SIZE
                            527addefc5af
                                            15 seconds ago
kennethfau/ping
                  latest
                  <none>
16.04
                            66d4ccec32ad 30 minutes ago 170MB
9ff95a467e45 5 days ago 135MB
<none>
ubuntu
PS Y:\wsl\197\ME8_Containerization_and_Docker\3-building_images>
```

A reduction of filesize from 170 MB to 139 MB!

Final Dockerfile

Running the container automatically runs ping!

```
Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them PS Y:\wsl\197\ME8_Containerization_and_Docker\3-building_images> docker run -it kennethfau/ping PING google.com (142.250.207.78) 56(84) bytes of data.
64 bytes from 142.250.207.78: icmp_seq=1 ttl=37 time=31.6 ms
64 bytes from 142.250.207.78: icmp_seq=2 ttl=37 time=31.6 ms
64 bytes from 142.250.207.78: icmp_seq=3 ttl=37 time=31.5 ms
64 bytes from 142.250.207.78: icmp_seq=4 ttl=37 time=31.6 ms
64 bytes from 142.250.207.78: icmp_seq=5 ttl=37 time=31.4 ms
64 bytes from 142.250.207.78: icmp_seq=5 ttl=37 time=31.4 ms
64 bytes from 142.250.207.78: icmp_seq=6 ttl=37 time=32.0 ms
^C
---- google.com ping statistics ---
6 packets transmitted, 6 received, 0% packet loss, time 5003ms
rtt min/avg/max/mdev = 31.446/31.665/32.066/0.221 ms
PS Y:\wsl\197\ME8_Containerization_and_Docker\3-building_images>
```